Directions

Glance 'n Go Sampling for Greenbugs in Winter Wheat

Treatment Threshold = 1 Greenbugs/Tiller

Fall		OSI I
Edition	_	OKLAHOMA COOPERATIVE EXTENSION SERVICE

Economic Thresholds for September - December

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- ➤ To sample the wheat field, use a "zig zag" or "W" pattern and walk at least 15 steps (about 30 ft) between stops.
- ► Carefully pull and examine 3 tillers (stems) per stop, taking one tiller from the left, right, and front.
- ▶ At each stop, color in the leaf for each tiller that has one or more greenbugs on it, and keep a running total. If the number of infested tillers is less than or equal to the number in the "Don't Treat" column then stop sampling, and do not treat. If the number of infested tillers is equal to or greater than the number in the "Treat" column then stop sampling, and treat the field. If the number falls within the numbers listed in the "Keep Sampling" column, continue sampling until a decision can be made, or the "Stop Sampling" box has been reached.
- ▶ If the "Stop Sampling" box is reached and a decision is not made:
 - ▶ Do not spray if most of the greenbugs are mummies.
 - ▶ Recheck the field in 2-4 days if no or very few mummies are present.

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Field 1

Date

Fall, Threshold = 1

Sample ▼	Stop every 30 ft. and look at 3 tillers Mark a leaf for each tiller that has 1 or more greenbugs				Total tillers with 1 or more	Don't Treat	Keep Sampling	Treat	
	Stop 1	Stop 2	Stop 3	Stop 4	Stop 5	greenbugs	▼	•	▼
Tillers 1-15 ▶	۵۵۵	۵۵۵	۵۵۵	۵۵۵	۵۵۵	▶ /15 ▶	0	1-4	5 or more
Tillers 16-30 ▶	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	٥٥٥	٥٥٥	▶ /30▶	3 or less	4-6	7 or more
Tillers 31-45 ▶	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	٥٥٥	٥٥٥	▶ /45 ▶	6 or less	7-9	10 or more
Tillers 46-60 ▶	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	٥٥٥	٥٥٥	▶ /60▶	9 or less	10-12	13 or more
Tillers 61-75 ▶	$\Diamond \Diamond \Diamond$	$\Diamond\Diamond\Diamond$	$\Diamond\Diamond\Diamond$	$\Diamond \Diamond \Diamond$	۵۵۵	► /75 ►	11 or less	12-14	15 or more
Tillers 76-90 ▶	٥٥٥	۵۵۵	٥٥٥	۵۵۵	٥٥٥	▶ /90▶	14 or less	15-17	18 or more

Field 2

Date

Fall, Threshold = 1

Sample ▼	Stop every 30 ft. and look at 3 tillers Mark a leaf for each tiller that has 1 or more greenbugs Stop 1 Stop 2 Stop 3 Stop 4 Stop 5				Total tillers with 1 or more greenbugs		Keep Sampling		
Tillers 1-15 ▶	000	Stop 2	Stop 3	Stop 4	Stop 5	► /15►	0	1-4	5 or more
Tillers 16-30 ▶	٥٥٥	٥٥٥	٥٥٥	٥٥٥	٥٥٥	► /30►	3 or less	4-6	7 or more
Tillers 31-45 ▶	٥٥٥	000	٥٥٥	٥٥٥	٥٥٥	▶ /45 ▶	6 or less	7-9	10 or more
Tillers 46-60 ▶	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	٥٥٥	٥٥٥	٥٥٥	▶ /60 ▶	9 or less	10-12	13 or more
Tillers 61-75 ▶	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	000	۵۵۵	▶ /75 ▶	11 or less	12-14	15 or more
Tillers 76-90 ▶	۵۵۵	۵۵۵	۵۵۵	۵۵۵	۵۵۵	▶ /90▶	14 or less	15-17	18 or more

Resample in 2-4 days

OSU Field 3 Fall, Threshold = 1Date Stop every 30 ft. and look at 3 tillers Total tillers with Sample Don't Keep Treat Mark a leaf for each tiller that has 1 or more greenbugs 1 or more Sampling Treat Stop 1 Stop 5 greenbugs Stop 2 Stop 3 Stop 4 5 or /15▶ Tillers 1-15 ▶ 1-4 more 7 or $/30 \triangleright 3$ or less Tillers 16-30 ▶ 4-6 more 10 or /45 ▶ 6 or less Tillers 31-45 ▶ 7-9 more 13 or /60 ▶ 9 or less Tillers 46-60 ▶ 10-12 more 15 or /75 ▶ 11 or less Tillers 61-75 ▶ 12-14 more

18 or

more

15-17

/90 ► 14 or less

Stop Sampling Resample in 2-4 days

Field 4 Date Fall, Threshold = 1

Tillers 76-90 ▶

Sample ▼	Stop every 30 ft. and look at 3 tillers Mark a leaf for each tiller that has 1 or more greenbugs					Total tillers with 1 or more	Don't Treat S	Keep Sampling	Treat
	Stop 1	Stop 2	Stop 3	Stop 4	Stop 5	greenbugs	▼	▼ 8	lacktriangle
Tillers 1-15 ▶	$\Diamond \Diamond \Diamond$	٥٥٥	٥٥٥	٥٥٥	٥٥٥	▶ /15▶	0	1-4	5 or more
Tillers 16-30 ▶	$\Diamond \Diamond \Diamond$	٥٥٥	٥٥٥	٥٥٥	٥٥٥	▶ /30▶	3 or less	4-6	7 or more
Tillers 31-45 ▶	٥٥٥	٥٥٥	٥٥٥	٥٥٥	٥٥٥	▶ /45 ▶	6 or less	7-9	10 or more
Tillers 46-60 ▶	٥٥٥	٥٥٥	۵۵۵	٥٥٥	٥٥٥	▶ /60▶	9 or less	10-12	13 or more
Tillers 61-75 ▶	$\Diamond \Diamond \Diamond$	٥٥٥	٥٥٥	٥٥٥	٥٥٥	▶ /75 ▶	11 or less	12-14	15 or more
Tillers 76-90 ▶	$\Diamond \Diamond \Diamond$	000	000	۵۵۵	۵۵۵	▶ /90▶	14 or less	15-17	18 or more

Field 5 Date Fall, Threshold = 1

Sample ▼	Stop 1	Stop every 30 ft. and look at 3 tillers Mark a leaf for each tiller that has 1 or more greenbugs Stop 1 Stop 2 Stop 3 Stop 4 Stop 5						Keep Sampling	
Tillers 1-15 ▶	000	Stop 2	Stop 3	Stop 4	Stop 5	greenbugs ► /15►	0	1-4	5 or more
Tillers 16-30 ▶	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	٥٥٥	▶ /30▶	3 or less	4-6	7 or more
Tillers 31-45 ▶	$\Diamond \Diamond \Diamond$	$\Diamond\Diamond\Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	٥٥٥	▶ /45 ▶	6 or less	7-9	10 or more
Tillers 46-60 ▶	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	٥٥٥	▶ /60▶	9 or less	10-12	13 or more
Tillers 61-75 ▶	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	٥٥٥	▶ /75 ▶	11 or less	12-14	15 or more
Tillers 76-90 ▶	٥٥٥	٥٥٥	٥٥٥	000	۵۵۵	▶ /90 ▶	14 or less	15-17	18 or more
		Stop Samplin	g Resamp	le in 2-4 days			•		